Sanding Systems for LRVs

KNORR-BREMSE – NO. 1 IN ADHESION MANAGEMENT
BEST VALUE – SAFE – GLOBAL

APPLICATIONS
Light Rail Vehicles
CUSTOMER BENEFITS

- Tailor-made system solutions for each and every project
- Comprehensive system integration expertise covering OE design, modernization, and retrofit needs
- Optimized total cost of ownership
- Full compliance with railway standards
- Global Knorr-Bremse network for localization, after sales service, etc.
- Extensive range of optional features, e.g., sand flow sensor

SUPERIOR ACCELERATION AND BRAKING UNDER ALL CONDITIONS

To safely operate in heavy urban traffic and to master long up-/downhill sections, LRVs and streetcars require an adequate acceleration capability and braking performance. Sanding systems have successfully proven to increase the adhesion between wheel and rail. In combination with a state-of-the-art traction/braking system, sanding systems can reduce braking distances by up to 50% (from initial speed 50 km/h).

Sand does not behave like a liquid. This characteristic has a tremendous impact on the whole design from sandbox to sand hose as well as the filling situation. Strong expertise is needed to optimize the sanding system for a given installation situation and to ensure a robust and reliable system in the long run. Therefore we offer the entire integration of a sanding system into the vehicle as well as qualified total life cycle support. The broad portfolio of pneumatic and mechanical sanding units allows customer-specific system configurations for every vehicle project.

ALL IN ONE LOCATION

At its site in Mödling, Austria, Knorr-Bremse has built up decades of experience and know-how in sanding systems for all vehicles. The results are thousands of successfully installed systems, which are in operation all over the world.

They represent the unique capabilities of Knorr-Bremse from OE system layout definition to modernization of existing systems.

LEADING TECHNOLOGICAL COMPETENCE

- Experienced engineering team and comprehensive testing facilities

TOTAL LIFE CYCLE SUPPORT

- One qualified partner for all needs along the life cycle

Worldwide Presence

- Local support, just around the corner

KNORR-BREMSE PROVIDES SUPPORT AND SERVICES OVER THE ENTIRE LIFE TIME OF VEHICLES

- OE system layout design
- Commissioning & training
- Operations services
- Installation investigation
- "Keep it simple" systems
- Spare parts availability over 30 years
- Modernization of existing systems

Vehicle Life Time

SANDING SYSTEMS